IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Ex Party Reexamination Certificate of

BREMER et al.

Patent No. 6,402,932

Certificate Issued: October 30, 2007

For: MEDIATED ELECTROCHEMICAL OXIDATION OF BIOLOGICAL WASTE

MATERIALS

REQUEST FOR CERTIFICATE OF CORRECTION

To the Director of the Patent and Trademark Office

Sir:

Kindly accept and enter the attached Certificate of Correction for the above-identified patent.

The patent was assigned from The C & M Group LLC to Scimist, Inc. on July 16, 2007, before the October 30, 2007 issue date of the Reexamination Certificate. A copy of the Notice of Recordation is attached.

Since the error originated in the Patent and Trademark Office, no fee is required.

Respectfully,

/James C. Wray/

James C. Wray, Reg. No. 22,693 1493 Chain Bridge Road, Suite 300 McLean, Virginia 22101

Tel: (703) 442-4800 Fax: (703) 448-7397

April 9, 2012

U.S. Patent and Trademark Office, U.S. DEPART MENT OF COMMERCE.

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

	Page1 of1
PATENT NO : 6,402,932	
APPLICATION NO.: 09/628,720	
ISSUE DATE : October 30, 2007	
INVENTOR(S) Bruce W. Bremer and Roger W. Carson	
It is certified that an error appears or errors appear in the above-identified patent and t is hereby corrected as shown below:	that said Letters Patent
Title page,	
Item (73) Assignee, should read:	
Scimist, Inc., Springfield, VA (US)	

MAILING ADDRESS OF SENDER (Please do not use customer number below):

James C. Wrav

1493 Chain Bridge Road, Suite 300

McLean, Va 22101

This collection of information is required by 37 GFR 1,322, 1,323, and 1,324. The information is required to obtain or retain a benefit by the public which is to Be under by the USFO to process an application Conditionality is governed by \$0.15.0.2 (22 and 37 GFR 1.14. This collection is estimated to floor to complete, including gathering, preparing, and submitting the completed application form to the USFO. Time will vary depending upon the included case Any comments on the amount of time your required to complete in the man and/or supplection for reducing this busined, subout to give the pre-fit of the Conference o



(12) EX PARTE REEXAMINATION CERTIFICATE (5981st)

United States Patent

Bremer et al.

(10) Number: US

US 6,402,932 C1 ed: Oct. 30, 2007

(54) MEDIATED ELECTROCHEMICAL OXIDATION OF BIOLOGICAL WASTE MATERIALS

(75) Inventors: Bruce W. Bremer, Montgomery
Village, MD (US); Roger W. Carson,
Vienna, VA (US)
Scimist, Inc., Springfield, VA (US)

(73) Assignce: The C & M Group, LLC, Vienna, VA

Reexamination Request: No. 90/007,610, Jun. 30, 2005

Reexamination Certificate for:

Patent No.: 6,402,932 Issued: Jun. 11, 2002 Appl. No.: 09/628,720 Filed: Jul. 28, 2000

Related U.S. Application Data

(60) Provisional application No. 60/145,972, filed on Jul. 29, 1999.

(51) Int. Cl. A62D 3/00 C02F 1/461

(56)

(2006.01) (2006.01)

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• 1/1995	Rivard et al 210/74
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Chiba et al, "Mediated Electrochemical Oxidation as an alternative to Incineration for Mixed Wastes", which is a preprint from Laurence Livermore National Laboratory dated Feb. 1995.*

Davidson et al., "Ruthenium-Mediated Electrochemical Destruction of Organic Wastes", Platinum Metals Rev. (no month, 1998), vol. 42, No. 3, pp. 90-98.*

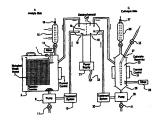
Morrison et al., "Structure and Properties", Organic Chemistry, Third Edition (no date), pp. 1-2.*

(Continued)

Primary Examiner-Alan Diamond

57) ABSTRACT

A mediated electrochemical oxidation process is used to treat, oxidize and dispose of biological wate materials. Water materials are introduced into an apparatus for contacting the waste with an electrolyte, which comprises on more oxidizing species in their higher valence states in aqueous solution. The electrolyte, which can be regenerated, is used to oxidize specific molecules of the waste materials, breaking them down and preventing the formation of dioxins. The waste treatment process takes place at a temperature range from room temperature up to a temperature slightly below the boiling point of the electrolyte solution (susually the temperature will be below 100° C.), and can be altered by adding uttryolet radiation.



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UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 17, 2007 JAMES C. WRAY

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RECORDATION DATE: 07/16/2007

REEL/FRAME: 019562/0255 NUMBER OF PAGES: 5

ASSIGNOR:

C&M GROUP LLC, THE

DOC DATE: 06/28/2007

ASSIGNEE:

SCIMIST, LNC.

7419 ELGAR STREET

SPRINGFIELD, VIRGINIA 22151

SERIAL NUMBER: 10127604

FILING DATE: 04/23/2002

PATENT NUMBER: ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF BIOLOGICAL WASTE MATERIALS

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

SERIAL NUMBER: 10263810

PATENT NUMBER:

FILING DATE: 10/04/2002 ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF ANIMAL WASTE MATERIALS

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SERIAL NUMBER: 10492017 FILING DATE: 04/08/2004

PATENT NUMBER: ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF FOOD WASTE MATERIALS

SERIAL NUMBER: 10493500 FILING DATE: 08/04/2004

PATENT NUMBER: ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF ORGANIC WASTE MATERIALS

SERIAL NUMBER: 10502323 FILING DATE: 07/23/2004

PATENT NUMBER: ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION USED FOR STERILIZATION/ .

DISINFECTION

SERIAL NUMBER: 10502324 FILING DATE: 07/23/2004

PATENT NUMBER: ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF HALOGENATED HYDROCARBON WASTE

MATERIALS

SERIAL NUMBER: 10502439 FILING DATE: 07/23/2004 PATENT NUMBER:

ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF DESTRUCTION OF SHARPS

SERIAL NUMBER: 10512484 FILING DATE: 03/04/2005 PATENT NUMBER:

ISSUE DATE: TITLE: MEDIATED ELECTROCHEMICAL OXIDATION PROCESS USED AS A HYDROGEN FUEL

GENERATOR

SERIAL NUMBER: 10522768 FILING DATE: 03/04/2005

PATENT NUMBER: ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION USED FOR THE DESTRUCTION OF ORGANICS CONTAMINATED WITH RADIOACTIVE MATERIALS, DISSOULUTION OF ATRANSURANICS, AND THE DECONTAMINATION OF EQUIPMENT CONTAMINATED

WITH MIXED WASTE

SERIAL NUMBER: 10527103 FILING DATE: 04/11/2005

PATENT NUMBER: ISSUE DATE:

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF INORGANIC MATERIALS

SERIAL NUMBER: 10560576 FILING DATE: 12/30/2005

PATENT NUMBER: ISSUE DATE:

TITLE: APPARATUS AND PROCESS FOR MEDIATED ELECTROCHEMICAL OXIDATION OF MATERIALS

SERIAL NUMBER: 09628720 FILING DATE: 07/28/2000

PATENT NUMBER: 6402932 ISSUE DATE: 06/11/2002

TITLE: MEDIATED ELECTROCHEMICAL OXIDATION OF BIOLOGICAL WASTE MATERIALS

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